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 NEWS 5 DEC 14 2006 MeSH terms loaded for MEDLINE file segment of TOXCENTER  
 NEWS 6 DEC 14 CA/Caplus to be enhanced with updated IPC codes  
 NEWS 7 DEC 21 IPC search and display fields enhanced in CA/Caplus with the  
 IPC reform  
 NEWS 8 DEC 23 New IPC8 SEARCH, DISPLAY, and SELECT fields in USPATFULL/  
 USPAT2  
 NEWS 9 JAN 13 IPC 8 searching in IFIPAT, IFIUDB, and IFICDB  
 NEWS 10 JAN 13 New IPC 8 SEARCH, DISPLAY, and SELECT enhancements added to  
 INPADOC  
 NEWS 11 JAN 17 Pre-1988 INPI data added to MARPAT  
 NEWS 12 JAN 17 IPC 8 in the WPI family of databases including WPIFV  
 NEWS EXPRESS JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,  
 CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
 AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.  
 V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT  
<http://download.cas.org/express/v8.0-Discover/>  
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=> s tissue sealant  
L1 201 TISSUE SEALANT

=> s tissue adhesive  
L2 7026 TISSUE ADHESIVE

=> s l1 and l2  
L3 77 L1 AND L2

=> s l3 and (polymer or cross link###)  
L4 18 L3 AND (POLYMER OR CROSS LINK###)

=> s l1 and (carbodiimide)  
L5 1 L1 AND (CARBODIIMIDE)

=> s l2 and (carbodiimide)  
L6 31 L2 AND (CARBODIIMIDE)

=> s s l4 and l6  
MISSING OPERATOR S L4  
The search profile that was entered contains terms or  
nested terms that are not separated by a logical operator.

=> s l4 and l6  
L7 0 L4 AND L6

=> s l6 and (polymer or cross link###)  
L8 14 L6 AND (POLYMER OR CROSS LINK###)

=> d l8 1-14

L8 ANSWER 1 OF 14 MEDLINE on STN  
AN 2004136712 MEDLINE  
DN PubMed ID: 15002986  
TI Improvement of stability and cell adhesion properties of polyelectrolyte  
multilayer films by chemical **cross-linking**.  
AU Richiert Ludovic; Boulmedais Fouzia; Lavalley Philippe; Mutterer Jerome;  
Ferreux Emmanuelle; Decher Gero; Schaaf Pierre; Voegel Jean-Claude; Picart  
Catherine  
CS Institut National de la Sante et de la Recherche Medicale, Unite 595,  
Faculte de Chirurgie Dentaire, Universite Louis Pasteur, 11 rue Humann,  
67085 Strasbourg Cedex, France.  
SO Biomacromolecules, (2004 Mar-Apr) 5 (2) 284-94.  
Journal code: 100892849. ISSN: 1525-7797.  
CY United States  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 200411  
ED Entered STN: 20040320  
Last Updated on STN: 20041103  
Entered Medline: 20041102

L8 ANSWER 2 OF 14 MEDLINE on STN

AN 2001058158 MEDLINE  
 DN PubMed ID: 10903034  
 TI Soft **tissue adhesive** composed of modified gelatin and polysaccharides.  
 AU Mo X; Iwata H; Matsuda S; Ikada Y  
 CS Institute for Frontier Medical Science, Kyoto University, Shogoin, Japan.  
 SO Journal of biomaterials science. Polymer edition, (2000) 11 (4) 341-51.  
 Journal code: 9007393. ISSN: 0920-5063.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 200012  
 ED Entered STN: 20010322  
 Last Updated on STN: 20010322  
 Entered Medline: 20001222

L8 ANSWER 3 OF 14 MEDLINE on STN  
 AN 1999353273 MEDLINE  
 DN PubMed ID: 10426230  
 TI Gelatin-derived bioadhesives for closing skin wounds: an in vivo study.  
 AU Sung H W; Huang D M; Chang W H; Huang L L; Tsai C C; Liang I L  
 CS Department of Chemical Engineering, National Central University, Chung-Li, Taiwan, ROC.. hwsung@cc.ncu.edu.tw  
 SO Journal of biomaterials science. Polymer edition, (1999) 10 (7) 751-71.  
 Journal code: 9007393. ISSN: 0920-5063.  
 CY Netherlands  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199909  
 ED Entered STN: 19990925  
 Last Updated on STN: 19990925  
 Entered Medline: 19990916

L8 ANSWER 4 OF 14 MEDLINE on STN  
 AN 1999326673 MEDLINE  
 DN PubMed ID: 10398013  
 TI Evaluation of gelatin hydrogel crosslinked with various crosslinking agents as bioadhesives: in vitro study.  
 AU Sung H W; Huang D M; Chang W H; Huang R N; Hsu J C  
 CS Department of Chemical Engineering, National Central University, Chung-Li, Taiwan, Republic Of China.. hwsung@cc.ncu.edu.tw  
 SO Journal of biomedical materials research, (1999 Sep 15) 46 (4) 520-30.  
 Journal code: 0112726. ISSN: 0021-9304.  
 CY United States  
 DT Journal; Article; (JOURNAL ARTICLE)  
 LA English  
 FS Priority Journals  
 EM 199909  
 ED Entered STN: 19991012  
 Last Updated on STN: 19991012  
 Entered Medline: 19990930

L8 ANSWER 5 OF 14 MEDLINE on STN  
 AN 1999098526 MEDLINE  
 DN PubMed ID: 9884057  
 TI Effect of additives on gelation and tissue adhesion of gelatin-poly(L-glutamic acid) mixture.  
 AU Otani Y; Tabata Y; Ikada Y  
 CS Research Center for Biomedical Engineering, Kyoto University, Japan.  
 SO Biomaterials, (1998 Dec) 19 (23) 2167-73.  
 Journal code: 8100316. ISSN: 0142-9612.

CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199904  
ED Entered STN: 19990413  
Last Updated on STN: 19990413  
Entered Medline: 19990401

L8 ANSWER 6 OF 14 MEDLINE on STN  
AN 1999070830 MEDLINE  
DN PubMed ID: 9855188  
TI A novel surgical glue composed of gelatin and N-hydroxysuccinimide  
activated poly(L-glutamic acid): Part 1. Synthesis of activated  
poly(L-glutamic acid) and its gelation with gelatin.  
AU Iwata H; Matsuda S; Mitsuhashi K; Itoh E; Ikada Y  
CS Research Center for Biomedical Engineering, Kyoto University, Japan.  
SO Biomaterials, (1998 Oct) 19 (20) 1869-76.  
Journal code: 8100316. ISSN: 0142-9612.  
CY ENGLAND: United Kingdom  
DT Journal; Article; (JOURNAL ARTICLE)  
LA English  
FS Priority Journals  
EM 199903  
ED Entered STN: 19990316  
Last Updated on STN: 19990316  
Entered Medline: 19990302

L8 ANSWER 7 OF 14 BIOSIS COPYRIGHT (c) 2006 The Thomson Corporation on STN  
AN 2000:477626 BIOSIS  
DN PREV2000000477626  
TI Soft **tissue adhesive** composed of modified gelatin and  
polysaccharides.  
AU Mo, Xiumei; Iwata, Hiroo; Matsuda, Shojiro; Ikada, Yoshito [Reprint  
author]  
CS Institute for Frontier Medical Science, Kyoto University, 53 Kawahara-cho,  
Shogoin, Sakyo-ku, Kyoto, Japan  
SO Journal of Biomaterials Science Polymer Edition, (2000) Vol. 11, No. 4,  
pp. 341-351. print.  
CODEN: JBSEEA. ISSN: 0920-5063.  
DT Article  
LA English  
ED Entered STN: 8 Nov 2000  
Last Updated on STN: 10 Jan 2002

L8 ANSWER 8 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN  
AN 2001:432822 CAPLUS  
DN 135:37222  
TI Vinylated gelatin as photocuring **tissue adhesive**  
IN Matsuda, Takehisa; Nakayama, Yasuhide; Tsutsui, Nobumasa  
PA Kabushiki Kaisha Vayu, Japan  
SO Eur. Pat. Appl., 11 pp.  
CODEN: EPXXDW  
DT Patent  
LA English  
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1106189	A2	20010613	EP 2000-127080	20001211
	EP 1106189	A3	20020313		
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	US 2001005504	A1	20010628	US 2000-733019	20001208

CA 2328053	AA	20010609	CA 2000-2328053	20001211
JP 2001224677	A2	20010821	JP 2000-376264	20001211
PRAI JP 1999-350269	A	19991209		

L8 ANSWER 9 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 2000:468696 CAPLUS  
 DN 133:168310  
 TI Soft **tissue adhesive** composed of modified gelatin and polysaccharides  
 AU Mo, Xiumei; Iwata, Hiroo; Matsuda, Shojiro; Ikada, Yoshito  
 CS Institute for Frontier Medical Science, Kyoto University, Kyoto, Japan  
 SO Journal of Biomaterials Science, Polymer Edition (2000), 11(4), 341-351  
 CODEN: JBSEEA; ISSN: 0920-5063  
 PB VSP BV  
 DT Journal  
 LA English  
 RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 10 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1998:786754 CAPLUS  
 DN 130:129940  
 TI A novel surgical glue composed of gelatin and N-hydroxysuccinimide activated poly(L-glutamic acid): Part 1. Synthesis of activated poly(L-glutamic acid) and its gelation with gelatin  
 AU Iwata, Hiroo; Matsuda, Shojiro; Mitsunashi, Kenji; Itoh, Eiji; Ikada, Yoshito  
 CS Research Center Biomedical Engineering, Kyoto University, Shogoin, Sakyo-ku, Kyoto, 606, Japan  
 SO Biomaterials (1998), 19(20), 1869-1876  
 CODEN: BIMADU; ISSN: 0142-9612  
 PB Elsevier Science Ltd.  
 DT Journal  
 LA English  
 RE.CNT 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD  
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 11 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1996:712550 CAPLUS  
 DN 126:22865  
 TI Adhesion to soft tissues by gelatin-polyanion hydrogels  
 AU Otani, Yuto; Tabata, Yasuhiko; Ikada, Yoshito  
 CS Research Center Biomedical Eng., Kyoto Univ., Kyoto, 606, Japan  
 SO Journal of Adhesion (1996), 59(1-4), 197-205  
 CODEN: JADNAJ; ISSN: 0021-8464  
 PB Gordon & Breach  
 DT Journal  
 LA English

L8 ANSWER 12 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1996:463652 CAPLUS  
 DN 125:151012  
 TI Rapidly curable biological glue composed of gelatin and poly(L-glutamic acid)  
 AU Otani, Y.; Tabata, Y.; Ikada, Y.  
 CS Research Center for Biomedical Engineering, Kyoto University, Kyoto, 606, Japan  
 SO Biomaterials (1996), 17(14), 1387-1391  
 CODEN: BIMADU; ISSN: 0142-9612  
 PB Elsevier  
 DT Journal  
 LA English

L8 ANSWER 13 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1996:91919 CAPLUS  
 DN 124:127140  
 TI Medical **polymer** gel  
 IN Tanihara, Masao; Kinoshita, Hisao  
 PA Kuraray Co., Ltd., Japan  
 SO PCT Int. Appl., 62 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA Japanese  
 FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	WO 9531223	A1	19951123	WO 1995-JP873	19950508
	W: US				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 08024325	A2	19960130	JP 1995-125838	19950425
	JP 3107726	B2	20001113		
	JP 2000070356	A2	20000307	JP 1999-269359	19950425
	JP 3492951	B2	20040203		
	EP 712635	A1	19960522	EP 1995-917511	19950508
	EP 712635	B1	20030502		
	R: DE, FR, GB, IT				
	US 5658592	A	19970819	US 1996-571976	19960116
	US 5770229	A	19980623	US 1997-826097	19970324
PRAI	JP 1994-124158	A	19940513		
	JP 1995-125838	A3	19950425		
	WO 1995-JP873	W	19950508		
	US 1996-571976	A3	19960116		

L8 ANSWER 14 OF 14 CAPLUS COPYRIGHT 2006 ACS on STN  
 AN 1993:260934 CAPLUS  
 DN 118:260934  
 TI Comparative assessment of the cytotoxicity of various substrates in organ culture and cell culture: a scanning electron microscopy study  
 AU Duval, J. L.; Warocquier-Clerout, R.; Sigot-Luizard, M. F.  
 CS Lab. Biol. Cell. Exp., Univ. Technol. Compiègne, Compiègne, 60206, Fr.  
 SO Cells and Materials (1992), 2(3), 179-92  
 CODEN: CEMAEE; ISSN: 1051-6794  
 DT Journal  
 LA English